**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 4: OpenMP**

**Lesson 12: OpenMP Tasks**

**Instructor Guide**

*Developed by Cameron Foss for the Shodor Education Foundation, Inc.*

1. Go over slides introducing OpenMP tasks.

Lecture breakdown:

3-5 min introduction

10 mins on race-car example

10 mins recursion and serial example of recursion

1-2 assignment announcement

1. Assign the task of parallelizing the recursive example using openMP tasks.

**Common Pitfalls for Students**

* Recursion can be a confusing topic. Some students might struggle with it.



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*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)